

FIG.1

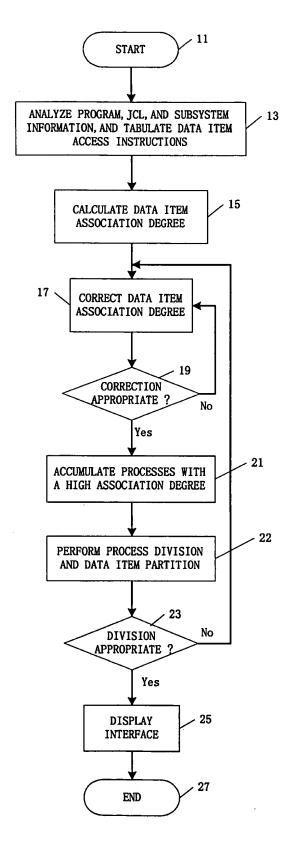


FIG.2

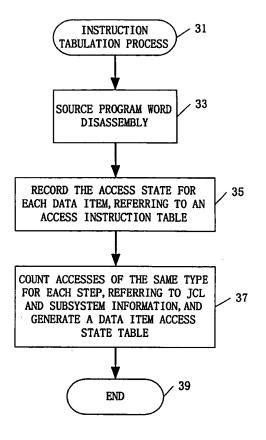


FIG.3

PROGRAM	SECTION	STEP	DATA ITEM	ACCESS TYPE
Pgm11	Sec111	1	D11	READ
Pgm11	Sec111	1	D12	READ
Pgm11	Sec111	4	D11	UPDATE
Pgm11	Sec111	4	D12	UPDATE
Pgm11	Sec111	4	D22	UPDATE
. •	•		•	•
•	•		•	•
•	•		•	•

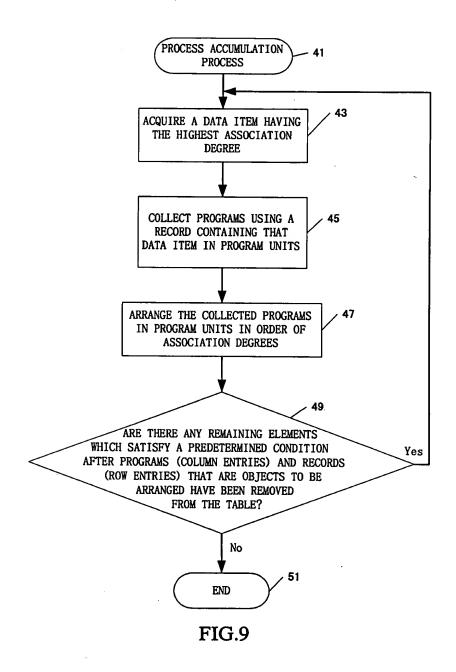
FIG.4

	SYSTEM	TEM	SystemA	¥																								
	S B		Job1													4	Jobs					<u> </u>	Stab					
	8	PROGRAM	Pgm11	_				•					4	Pgm12		<u></u>	Pgm21			Pemilia		<u>a.</u>	Pgm31					
	SEC	SECTION	Seo111	_						8	Sec112		Ø.	Sec121		- W	Sec211		y y	Seo221		ω.	Sec311					
	STEP	.	-	84	9	7	LO.		9	~	- Φ	60	2	=	12	13	7	15	9	17 1	18	19	ล	핂	ដ	ន	22	*8
FILE	REC	DATA	,										:		1		-				1	ł	1	-	-		1	
Œ	Æ	110	25			5				55			$\vdash\vdash$		<u> </u>	Æ		<u> </u>	Æ	<u> </u>	_	5	_				-	
		D12	R			5													 			5	<u> </u>	ļ <u>.</u>		-	-	
<u></u>		МЗ											2	·			뀕	-					-		_		-	
		D14																5	_		<u> </u>	₹	<u> </u>					
	22	23																<u> </u>					5		-			
		220				5																	ਠ	_				
Ľ	82	128								2														5	_			
		250								됩	5								2		-			5	_			

FIG.5

		ASSOCIATION	N RELATIONS	SHIP		
		REFERENCE	UPDATE	CREATE	DELETE	REDEFINE
ASSOCIATION	FILE	1	5	10	10	
MEDIUM	CALL PARAMETER	2	7	12	12	
	COPY PHRASE	3	9			20
	LOCAL VARIABLE	50	60			90

FIG.6



JOB
SECTION Sectin Section Section Section Section Section Section Section Section
SECTION Sec111 STEPs 1 2 3 4 5 6 7 8 9 10 REC DATA RI D11 1 5 6 7 8 9 10 D12 1 5 6 7 8 9 10
REC DATA REC DATA RI D11 1 5 6 7 8 9 10 B1 D11 1 5 5 6 7 8 9 10
R1 D11 1 5 6 D12 1 5 5 0 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
M D11 1 5 5 1 1 5 5 1 1 2 1 2 1 2 1 2 1 2 1
.
2
P14
120 24
200
F2 F3 D31
025 10 200

FIG 7

	SYSTEM	TEM	SystemA	. Y E																	:						
-	SoB		Job1													Job2						Job3					
	PRO	PROGRAM	Pgm1	_									Pent2	2		Pgm21	7 .		Pgm22	ស		Pgm31	3				
	SEC	SECTION	Secti	=						Sec112	61		Sec121			Sec211	F	,	Sec221	M.		Sec311	Ξ				
	STEP	P.	-	2	6	 4	LO.	9	~	90	6	5	11	12	13	7	15	16	11	18	19	8	ผ	8	ន	24	8
FILE	REC	DATA																									
E	ш	911	-			9				-Co						-	٠		_			8					
		D12	+			16																2					
		D13											1				10										
		D14				 							·					IO.				1					
	22	120																					10				
	-	220				 9										_							10				
82	ន	180								ล														8			
		200								R	율								20					8			

FIG.8

	SYSTEM	TEM	SystemA	≴																							· I
	POB POB		Job1										Jobs						2962			Job 1			월	۵.	
	8	PROGRAM	Pgm11	_									Pgm31	_					P ZE	N		Pgm12	2		Pgm21	្ត	· '
	28	SECTION	Sec111	_						Sec112			Sec311	-					Sec221	73		Sec121	21		Sec211	H	
	STEPs	ę.	-	~	83	4	40	•	2	60	6	2	8	7	Ø	ន	2	183	41	18	19	#	12	13	14	15	16
FILE	REC	DATA																									
F	ш	D11	-			40				10			10						-					<u> </u>			
		D12	1			2							ro.														
		DM3	,				 															1				10	
		D14		·			 						-	_													S
	22	120					 							9		-	·										_
		D22				10								5													
2	83	8								ล					ล												
		88					 			8	8				8				8								

FIG.10

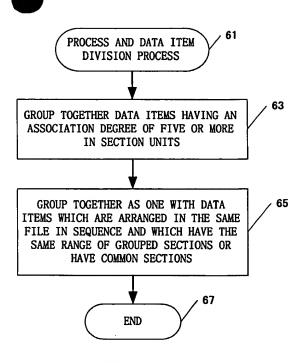


FIG.11

FILE NAME	DATA ITEM NAME	SECTION NAME
F1	D11	Sec111,Sec112,Sec311
F1	D12	Sec111,Sec311
F1	D13	Sec211
F1	D14	Seo211
F1	D21	Sec311
F1	D22	Sec111,Sec311
F2	D31	Sec112,Sec311
F2	D32	Sec112,Sec311,Sec221

FIG.12

FILE NAME	DATA ITEM NAME	SECTION NAME	
F1	D11	Sec111,Sec112,Sec311	
F1	D12	Sec111,Sec311	a
F1	D13	Sec211	—
F1	D14	Sec211	d
F1	D21	Sec311	<u> </u>
F1	D22	Sec111,Sec311	Т Ь
F2	D31	Sec112,Sec311	
F2	D32	Sec112,Sec311,Sec221	c

FIG.13

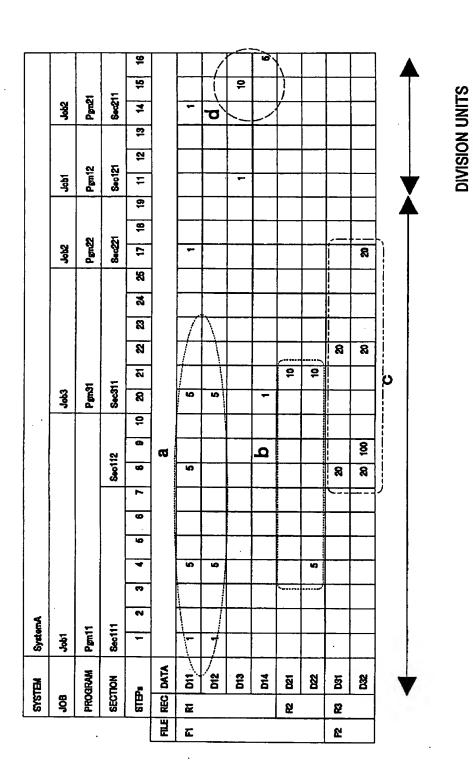


FIG.14

	OBJECT			
	obj-1(pgm11,pgm31,pgm22)		obj-2(pgm12,pgm2	21)
	PRIVATE DATA	PUBLIC DATA	PUBLIC DATA	PRIVATE DATA
D11	(REFERENCE,UPDATE)		(REFERENCE)	
D12	(REFERENCE,UPDATE)	,		
D13				(REFERENCE, UPDATE)
D14		(REFERENCE)		(UPDATE)
D21	(CREATE)			
D22	(CREATE,UPDATE)			
D31	(CREATE, REFERENCE)			
D32	(CREATE, REFERENCE, UPDATE)			

FIG.15